

PATENT ABSTRACTS OF JAPAN

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(54) METHOD FOR BACKWASHING HOLLOW YARN MEMBRANE FILTER APPARATUS

(57)Abstract:

PURPOSE: To effectively remove a solid by preventing the lowering of the liquid level during a backwashing process by intermittently performing scrubbing action and filling a container with water during the intermittent stoppage of scrubbing.

CONSTITUTION: Hollow yarns 1 are suspended in a filter container 8 and a liquid to be treated is allowed to flow through the hollow yarns 1 from the outside toward the interiors thereof. In regenerating the hollow yarns 1 by removing the solid adhered to the outer surfaces of the hollow yarns 1, a vent pipe 11 is opened at a definite liquid level in order to lower the liquid to be treated in the container 8. Next, backwashing air is supplied from a compressed air pipe 10 and, thereafter, scrubbing action is applied from the lower part of the container 8 by a scrubbing air pipe 12 and, subsequently, the liquid at the time of backwashing is discharged out of the container through a drain pipe 13. In this case, the aforementioned scrubbing action is performed intermittently and the container 8 is filled with water during the intermittent stoppage of scrubbing. As a result, the removal of a solid can be effectively performed.

